

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062932.D
 Acq On : 27 Jun 2019 15:33
 Operator : VA/AP
 Sample : K3518-04RE
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:21:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

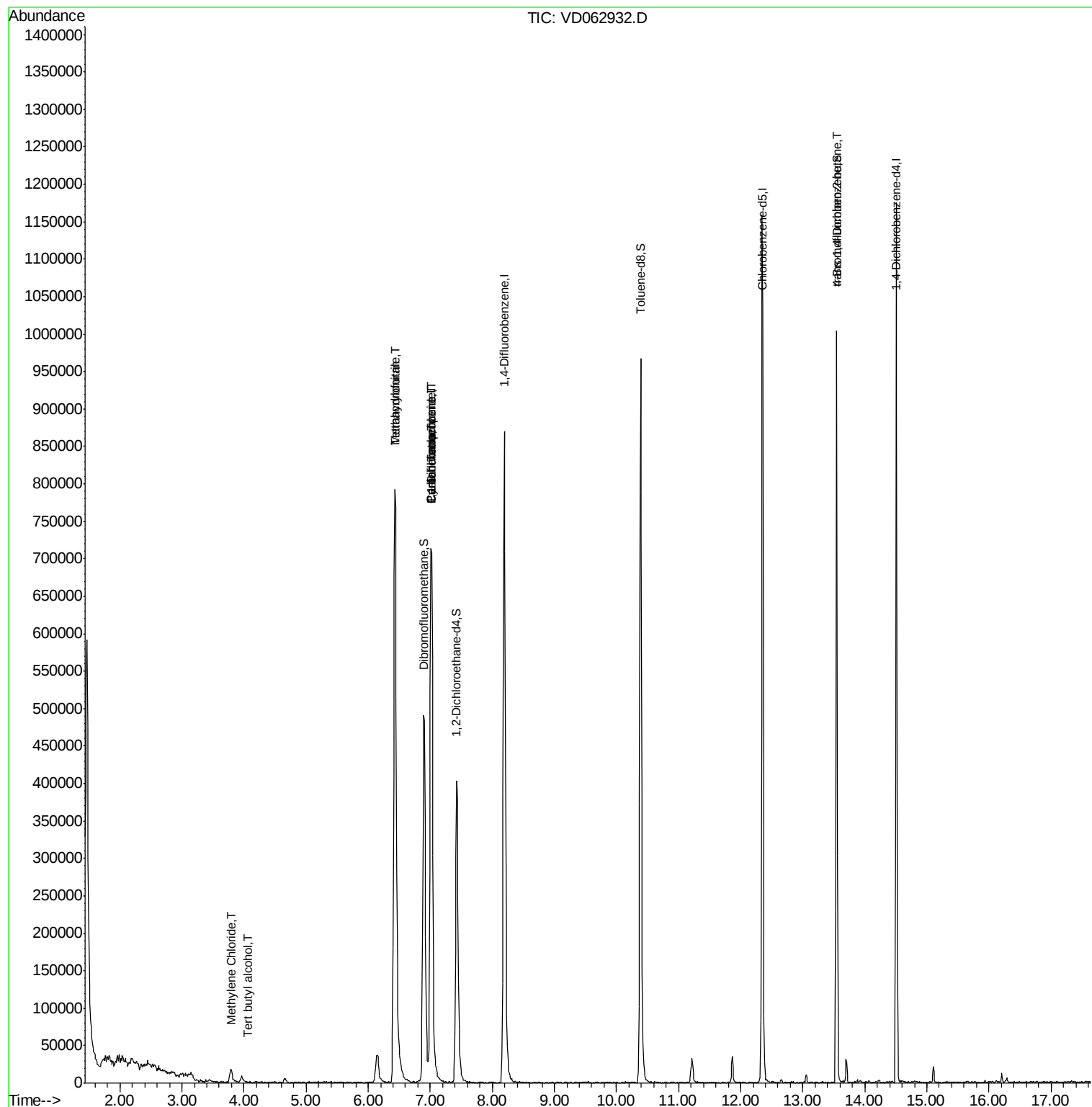
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	720712	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	942856	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	646858	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	249355	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	464551	59.30	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	118.60%	
35) Dibromofluoromethane	6.90	113	451016	56.73	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	113.46%	
50) Toluene-d8	10.39	98	768725	44.43	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.86%	
62) 4-Bromofluorobenzene	13.54	95	297489	37.81	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	75.62%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.06	59	396	1.110	ug/l #	77
16) Acetone	3.19	43	2522	Below Cal	#	64
20) Methylene Chloride	3.80	84	11332	1.897	ug/l #	79
29) Tetrahydrofuran	6.43	42	665725	960.304	ug/l	98
31) Cyclohexane	7.02	56	18173	2.470	ug/l #	21
36) 1,1-Dichloropropene	7.01	75	55336	6.200	ug/l #	56
37) Ethyl Acetate	6.14	43	3203	Below Cal	#	57
38) Carbon Tetrachloride	7.02	117	69261	5.160	ug/l #	16
41) Methacrylonitrile	6.43	41	503959	107.067	ug/l #	81
81) trans-1,4-Dichloro-2-buten	13.54	75	132461	175.574	ug/l #	2

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062932.D

Acq: 27 Jun 2019 15:33

Instrument :

MSVOA_D

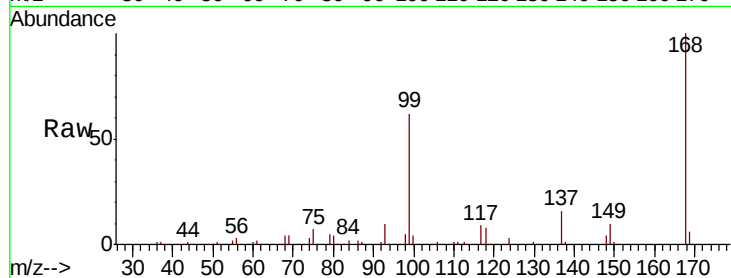
ClientSampleId :

Tot Ion:168 Resp: 720712

Ion Ratio Lower Upper

168 100

99 61.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

250000

200000

150000

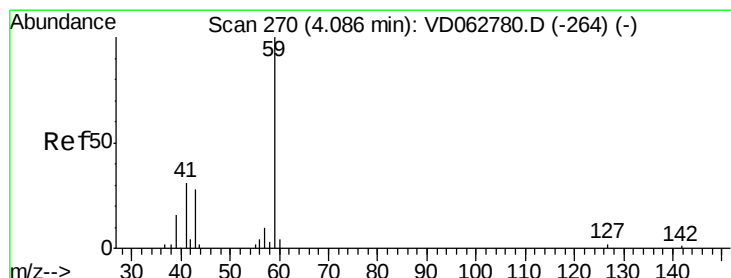
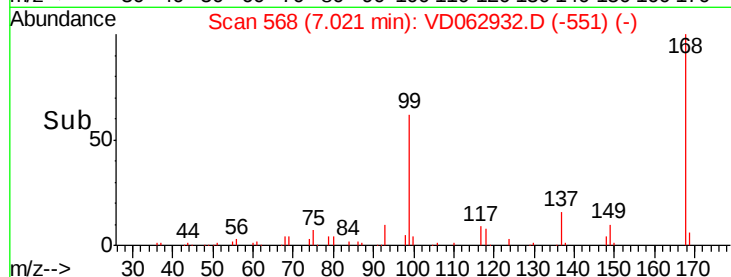
100000

50000

0

6.90 7.02 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 1.110 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.03 min

Lab File: VD062932.D

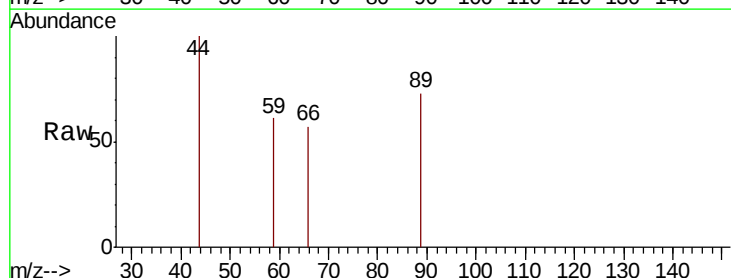
Acq: 27 Jun 2019 15:33

Tgt Ion: 59 Resp: 396

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

400

300

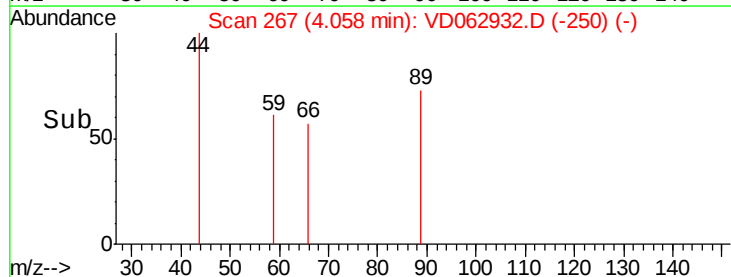
200

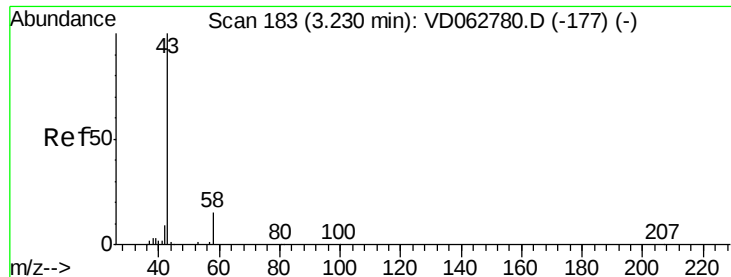
100

0

4.04 4.06 4.08 4.10

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.19 min Scan# 179

Delta R.T. -0.04 min

Lab File: VD062932.D

Acq: 27 Jun 2019 15:33

Instrument :

MSVOA_D

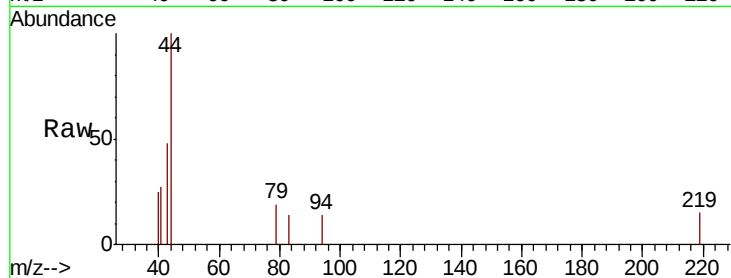
ClientSampleId :

Tot Ion: 43 Resp: 2522

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.19

1200

1000

800

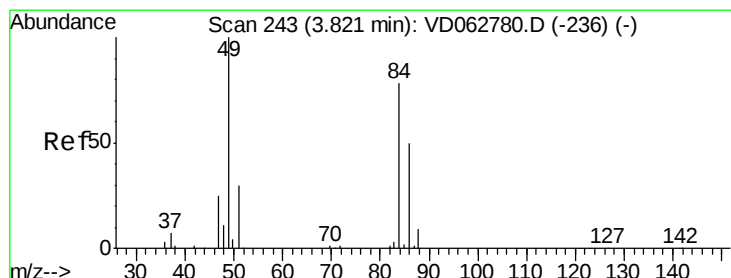
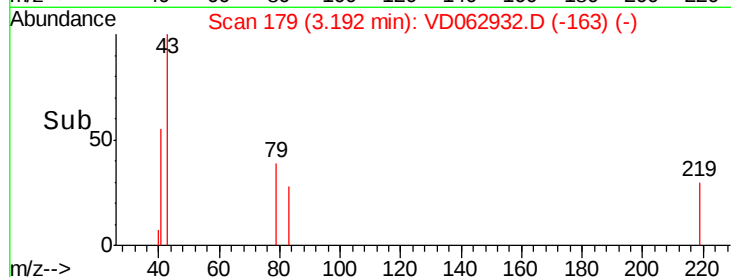
600

400

200

0

Time--> 3.15 3.20 3.25 3.30



#20

Methylene Chloride

Concen: 1.897 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD062932.D

Acq: 27 Jun 2019 15:33

Tgt Ion: 84 Resp: 11332

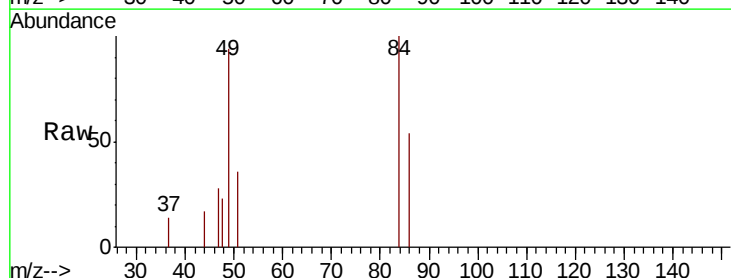
Ion Ratio Lower Upper

84 100

49 94.0 102.9 154.3#

51 36.0 31.2 46.8

86 53.5 51.4 77.2



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

8000

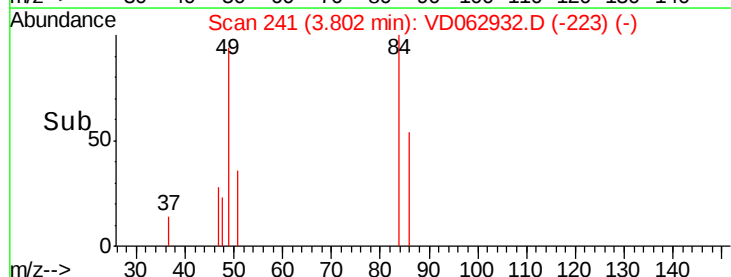
6000

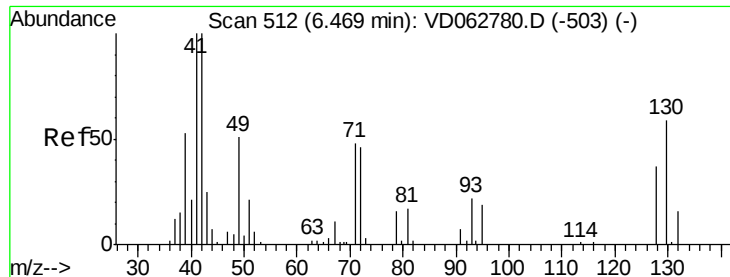
4000

2000

0

Time--> 3.70 3.80 3.90





#29

Tetrahydrofuran

Concen: 960.304 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.04 min

Lab File: VD062932.D

Acq: 27 Jun 2019 15:33

Instrument :

MSVOA_D

ClientSampled :

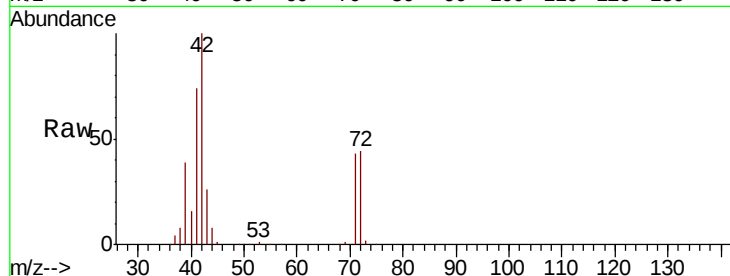
Tot Ion: 42 Resp: 665725

Ion Ratio Lower Upper

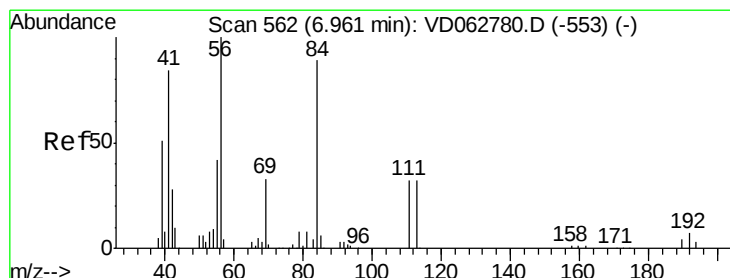
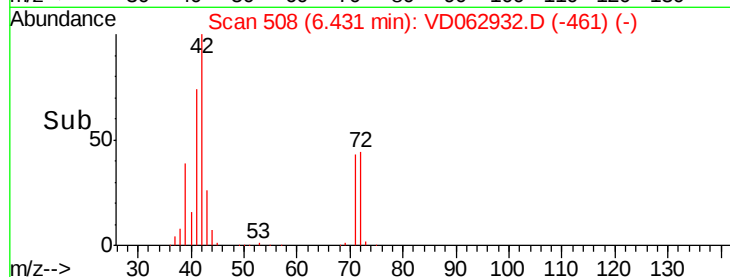
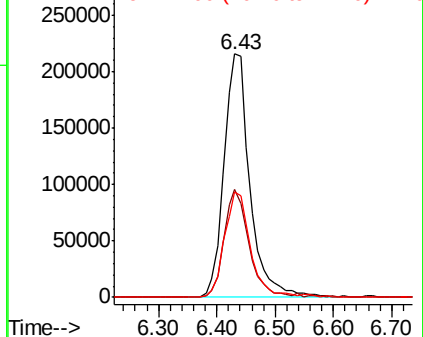
42 100

72 42.3 35.0 52.6

71 43.1 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.470 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.06 min

Lab File: VD062932.D

Acq: 27 Jun 2019 15:33

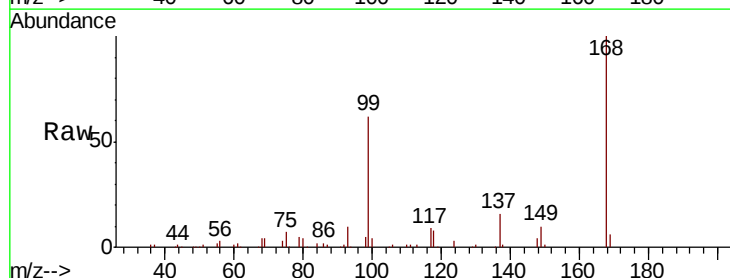
Tgt Ion: 56 Resp: 18173

Ion Ratio Lower Upper

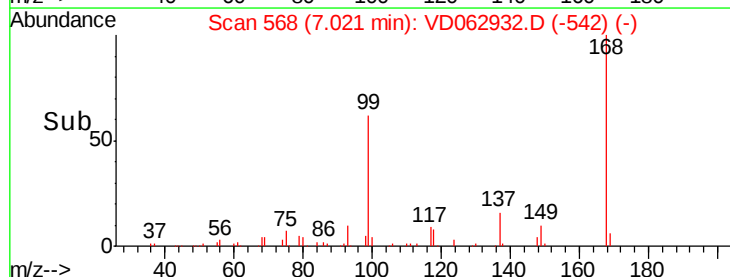
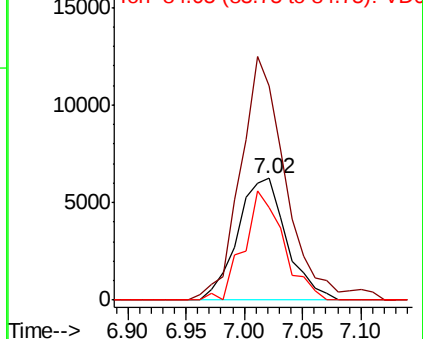
56 100

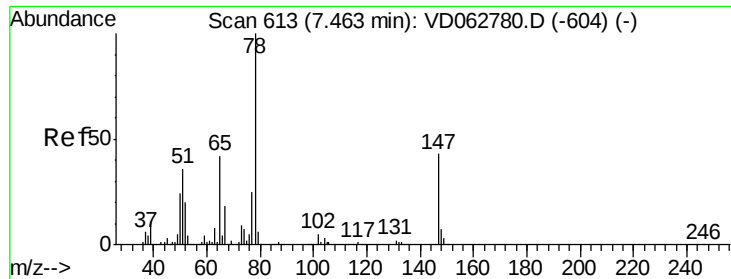
69 175.5 26.6 39.8#

84 76.0 75.5 113.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 59.299 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062932.D

Acq: 27 Jun 2019 15:33

Instrument :

MSVOA_D

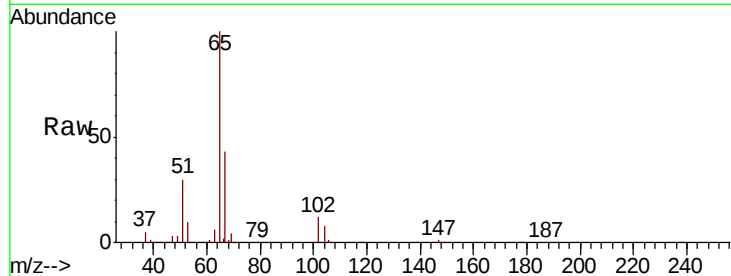
ClientSampleId :

Tot Ion: 65 Resp: 464551

Ion Ratio Lower Upper

65 100

67 42.9 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

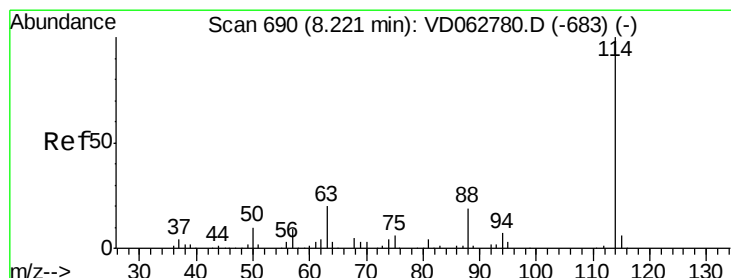
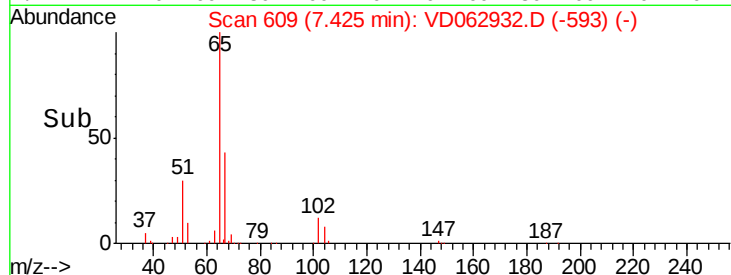
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062932.D

Acq: 27 Jun 2019 15:33

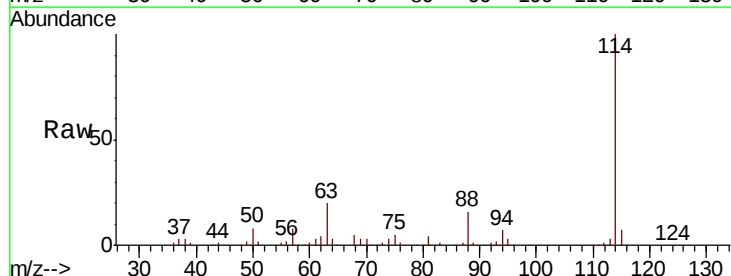
Tgt Ion: 114 Resp: 942856

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 16.3 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

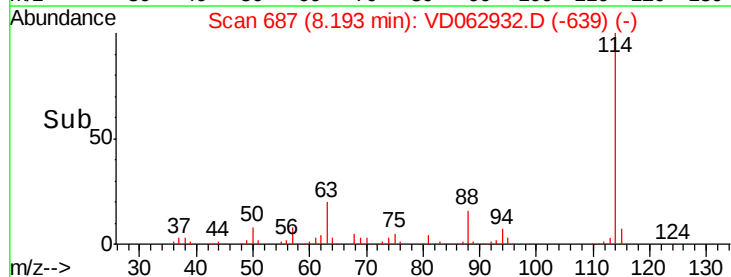
200000

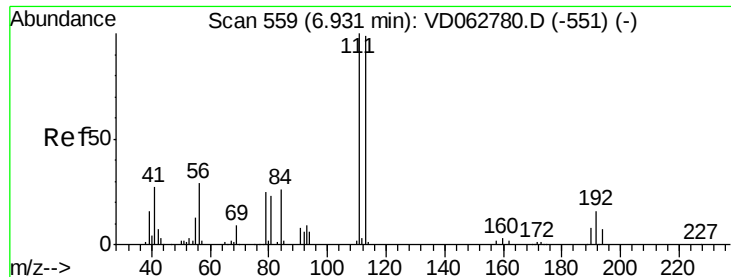
100000

0

8.00 8.20 8.40

Time-->





#35

Dibromofluoromethane

Concen: 56.731 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062932.D

Acq: 27 Jun 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

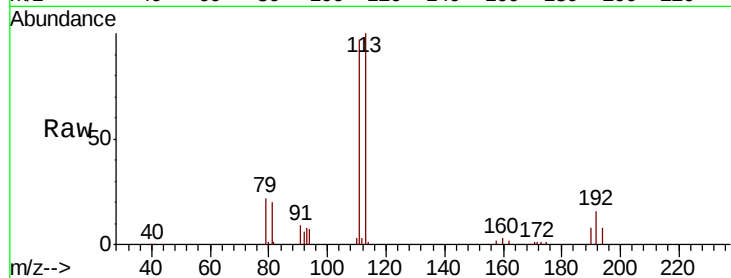
Tot Ion:113 Resp: 451016

Ion Ratio Lower Upper

113 100

111 96.5 81.2 121.8

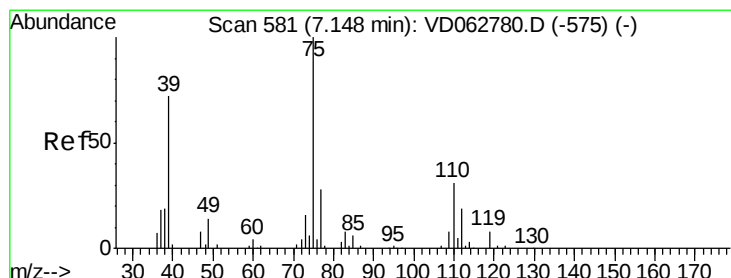
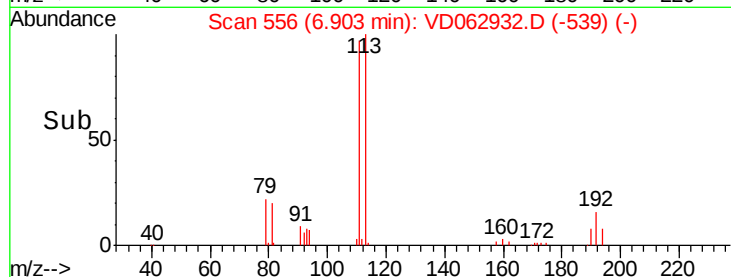
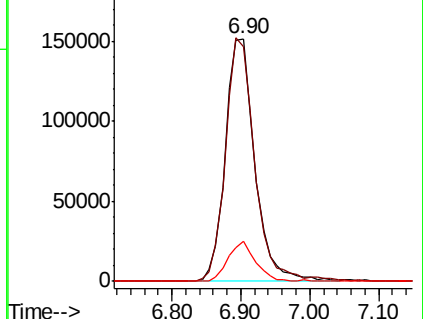
192 16.3 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 6.200 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.14 min

Lab File: VD062932.D

Acq: 27 Jun 2019 15:33

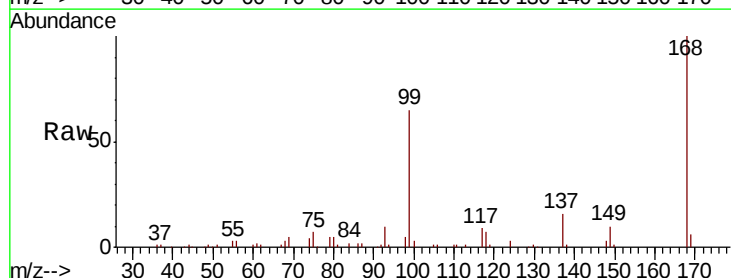
Tgt Ion: 75 Resp: 55336

Ion Ratio Lower Upper

75 100

110 10.3 15.0 45.1#

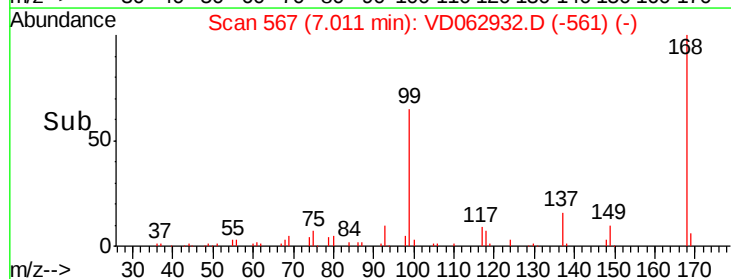
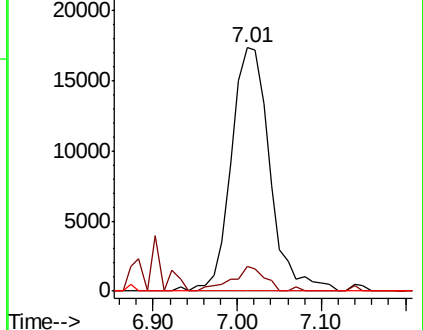
77 0.0 22.2 33.2#

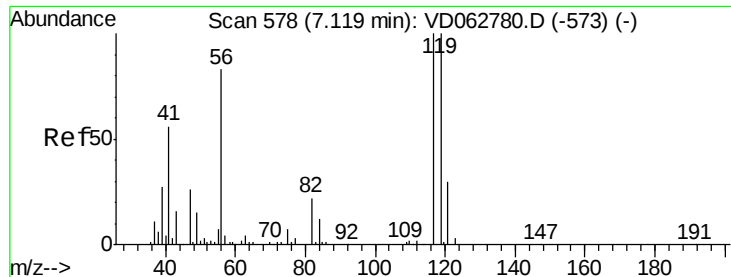


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

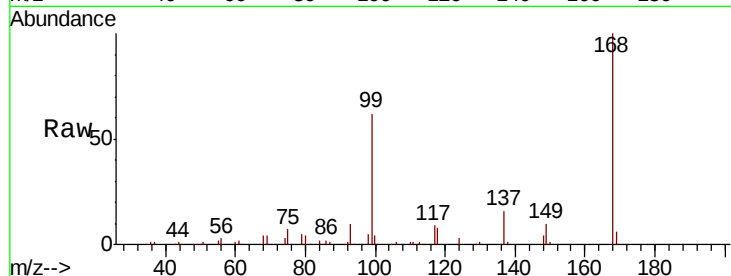




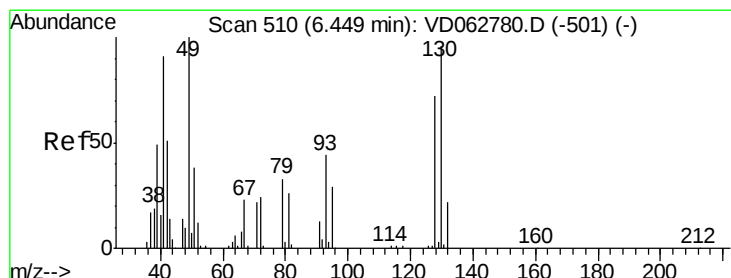
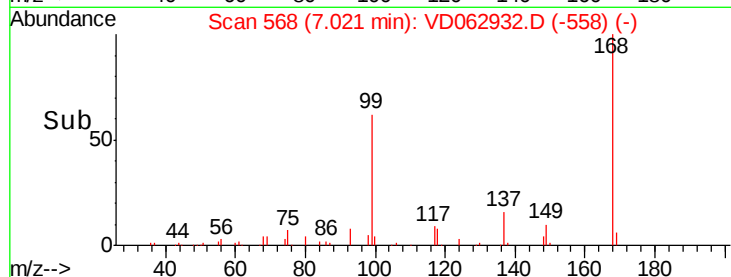
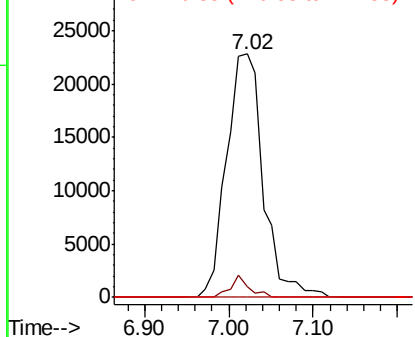
#38
Carbon Tetrachloride
Concen: 5.160 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.10 min
Lab File: VD062932.D
Acq: 27 Jun 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 69261
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.2#
121 0.0 22.3 33.5#

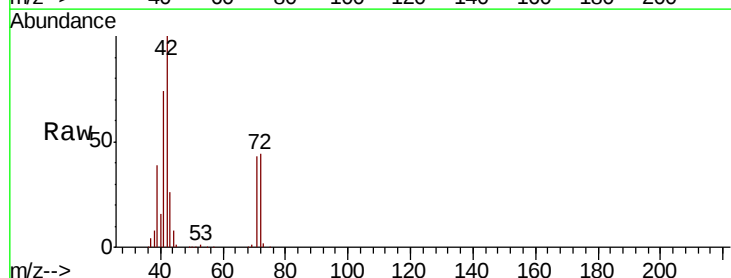


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

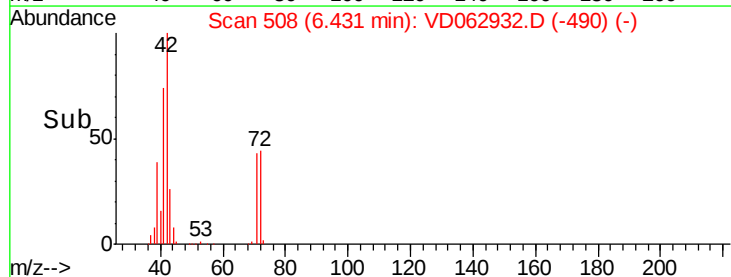
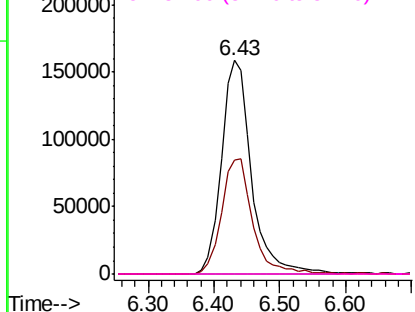


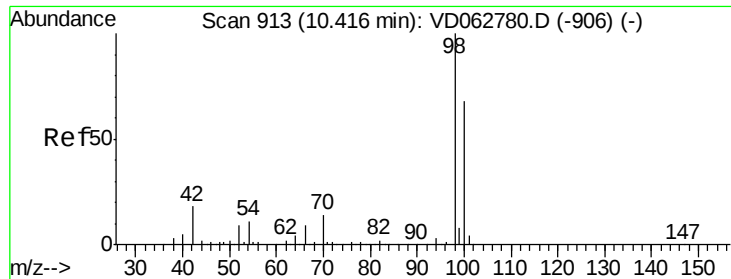
#41
Methacrylonitrile
Concen: 107.067 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062932.D
Acq: 27 Jun 2019 15:33

Tgt Ion: 41 Resp: 503959
Ion Ratio Lower Upper
41 100
39 53.3 43.2 64.8
67 0.0 19.9 29.9#
52 0.0 10.2 15.4#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

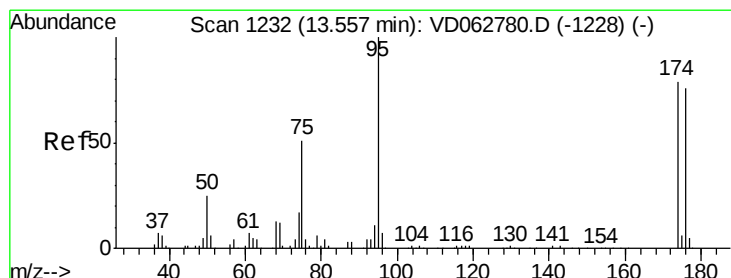
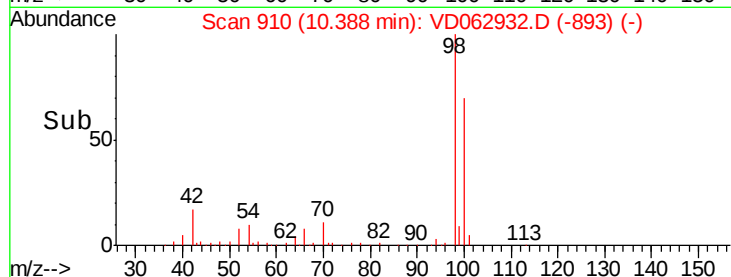
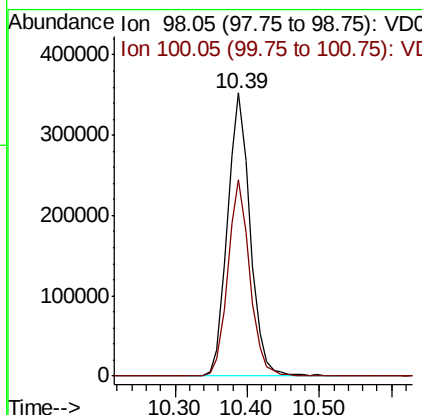
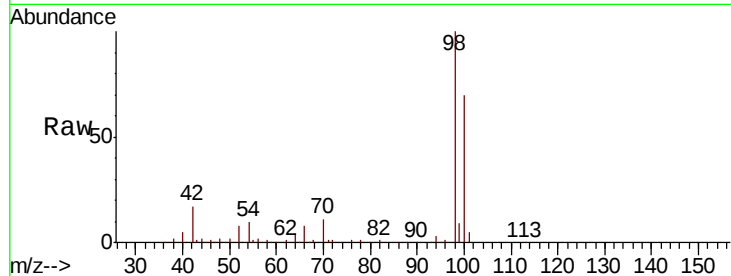




#50
Toluene-d8
Concen: 44.427 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062932.D
Acq: 27 Jun 2019 15:33

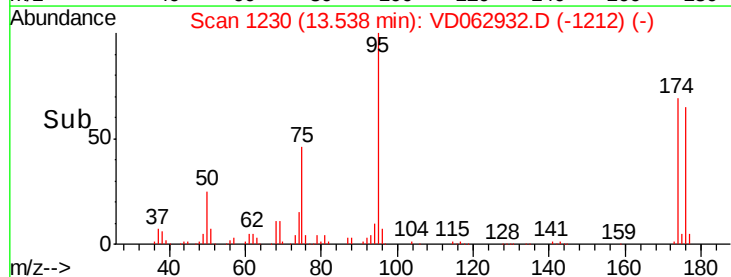
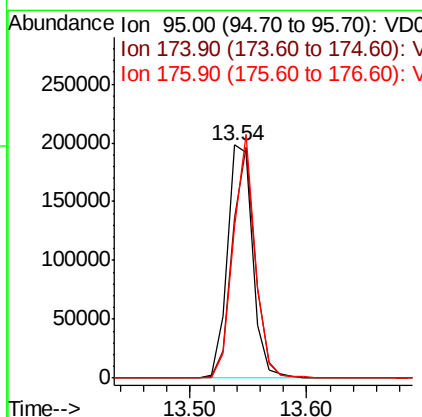
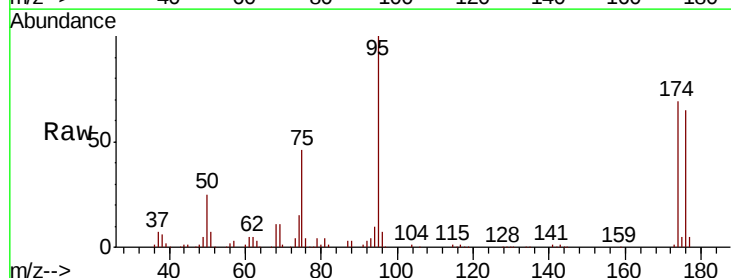
Instrument :
MSVOA_D
ClientSampleId :

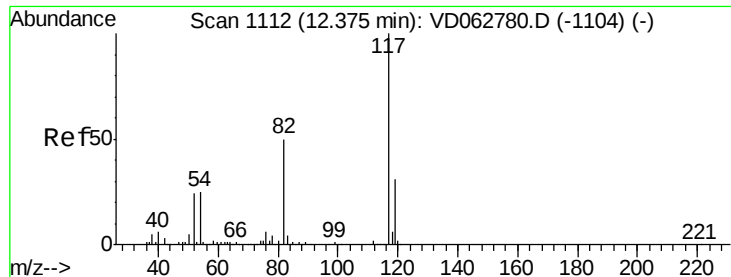
Tot Ion: 98 Resp: 768725
Ion Ratio Lower Upper
98 100
100 69.5 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 37.811 ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.02 min
Lab File: VD062932.D
Acq: 27 Jun 2019 15:33

Tgt Ion: 95 Resp: 297489
Ion Ratio Lower Upper
95 100
174 68.5 0.0 158.0
176 64.9 0.0 151.6

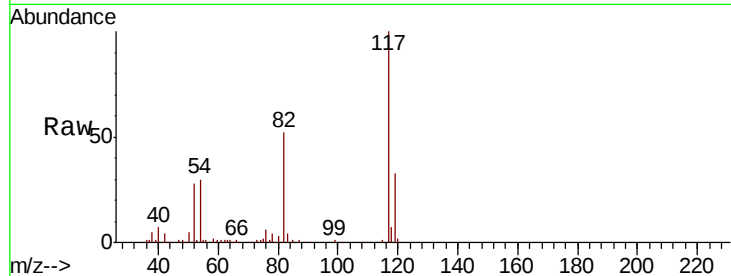




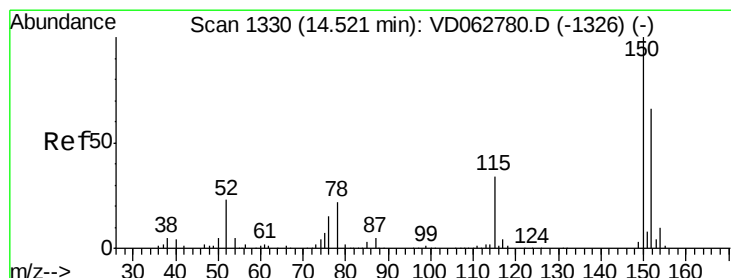
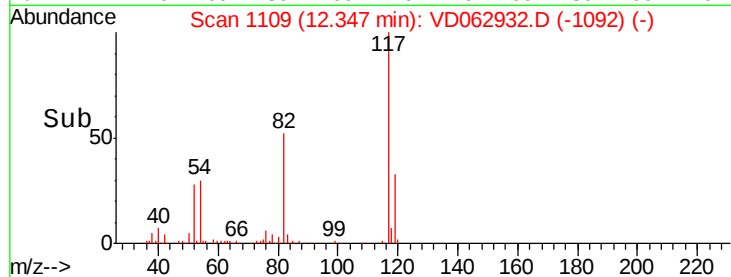
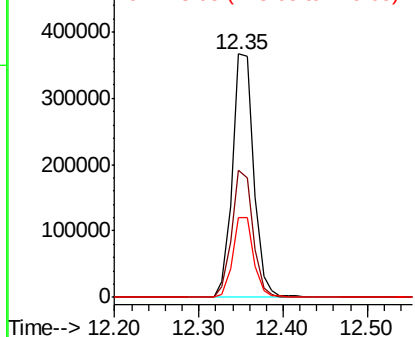
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1109
Delta R.T. -0.03 min
Lab File: VD062932.D
Acq: 27 Jun 2019 15:33

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	40.4	60.6
119	32.8	25.2	37.8

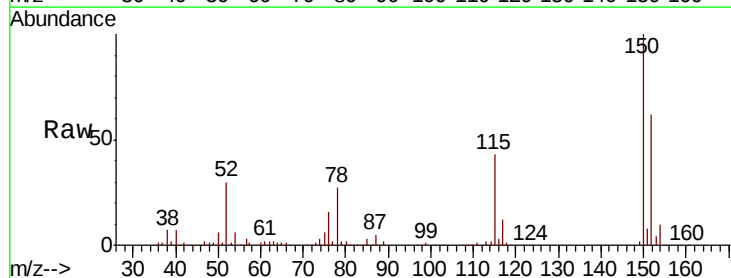


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

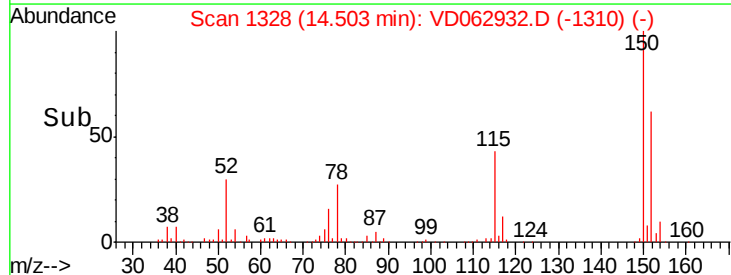
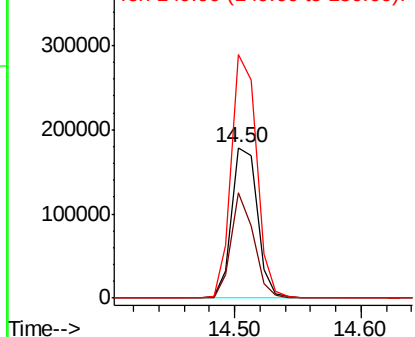


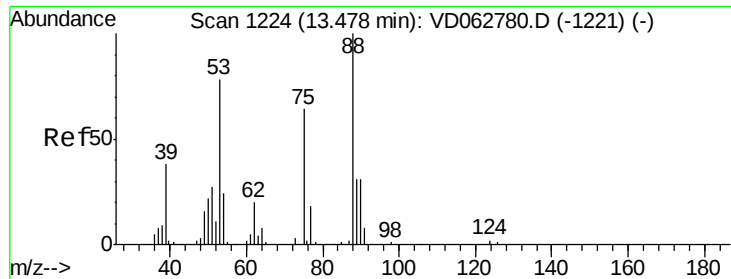
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.02 min
Lab File: VD062932.D
Acq: 27 Jun 2019 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.7	29.2	87.6
150	161.8	0.0	305.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 175.574 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.06 min

Lab File: VD062932.D

Acq: 27 Jun 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

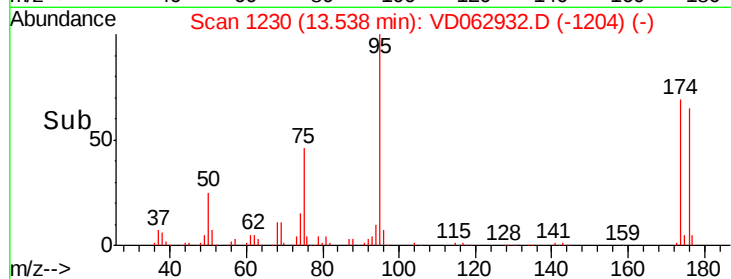
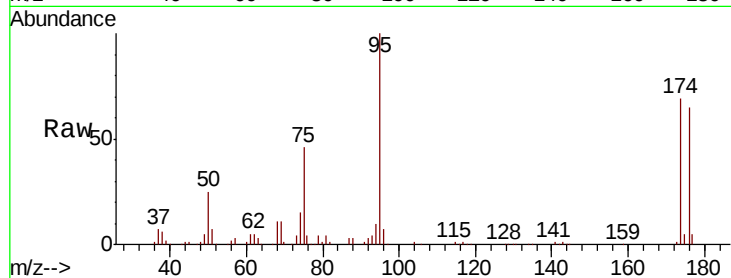
Tot Ion: 75 Resp: 132461

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

